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| Substitute for form 1449A/PTO | | | | Complete if Known | |
| | | | | Application Number | 09/513,768 |
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| Sheet | 1 | of | 38 | Attorney Docket Number | |

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| Sheet | 11 | of | 28 | Attorney Docket Number | |

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| Sheet | 12 | of | 28 | Attorney Docket Number | |

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| Sheet | 13 | of | 38 | Attorney Docket Number | |

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| Sheet | 14 | of | 38 | Attorney Docket Number | | | |

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| Sheet | 15 | of | 28 | Attorney Docket Number | | | |

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| | | Group Art Unit | 2881 |
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| Sheet | 16 | of | 38 |
| | | Attorney Docket Number | |

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| Sheet | 17 | of | 28 | Attorney Docket Number | | | |

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| | | | | Group Art Unit | 2881 |
| | | | | Examiner Name | Wells |
| Sheet | 18 | of | 38 | Attorney Docket Number | |

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| Sheet | 19 | of | 28 | Attorney Docket Number | |

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| | | | | Application Number | 09/513,768 |
| | | | | Filing Date | 02/25/2000 |
| | | | | First Named Inventor | Mills |
| | | | | Group Art Unit | 2881 |
| | | | | Examiner Name | Wells |
| Sheet | 31 | of | 38 | Attorney Docket Number | |

| – NON PATENT LITERATURE DOCUMENTS | | | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| | | 52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1–70.28. (Internet Publication Date: October, 2002) | | | |
| | | 51. Mills et al., "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236–247. (Internet Publication Date: Feb. 4, 2002.) | | | |
| | | 50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195–213. | | | |
| | | 49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338–355. | | | |
| | | 48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066–2073. (Internet Publication Date: March 26, 2002.) | | | |
| | | 47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389. | | | |
| | | 46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol 12, (2003), pp. 389–395. | | | |
| | | 45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 28, No. 12, (2003), pp. 1401–1424. (Internet Publication Date: April 15, 2002.) | | | |
| Examiner Signature | | Date Considered | | | |

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| | | | | First Named Inventor | Mills |
| | | | | Group Art Unit | 2881 |
| | | | | Examiner Name | Wells |
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| — NON PATENT LITERATURE DOCUMENTS | | | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| | | 44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.) | | | |
| | | 43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," <i>New Journal of Physics</i> , www.njp.org, Vol. 4, (2002), pp. 22.1–22.17. (Internet Publication Date: Dec. 27, 2001.) | | | |
| | | 42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion , Hydrogen, Nitrogen, and Air," <i>Int. J. Hydrogen Energy</i> , Vol. 28, No. 8, (2003), pp. 825–871. (Internet Publication Date: Nov. 14, 2001.) | | | |
| | | 41. Mills et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," <i>Proceedings of the 17th Annual Battery Conference on Applications and Advances</i> , California State University, Long Beach, CA, (January 15-18, 2002), pp. 1–6. | | | |
| | | 40. Mills et al., "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," <i>IEEE Transactions on Plasma Science</i> , August, (2002), Vol. 30, No. 4, pp. 1568–1578. (Internet Publication Date: Nov. 12, 2001.) | | | |
| | | 39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," <i>J. Phys. Chem. A</i> , submitted. (Internet Publication Date: Nov. 13, 2001.) | | | |
| | | 38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," <i>Electrochimica Acta</i> , Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.) | | | |
| | | 37. Mills et al., "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts," <i>J. of Applied Physics</i> , (2002), Vol. 92, No. 12, pp. 7008–7022. (Internet Publication Date: Oct. 9, 2002.) | | | |
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| | | | | Group Art Unit | 2881 |
| | | | | Examiner Name | Wells |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| | | 36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.) | | | |
| | | 35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," Current Appl. Phys., submitted. (Internet Publication Date: Oct. 9, 2001.) | | | |
| | | 34. Mills et al., "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," J. of Quantitative Spectroscopy and Radiative Transfer, in press. (Internet Publication Date: Oct. 9, 2001.) | | | |
| | | 33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," J Mol. Struct., Vol. 643, No. 1-3, (2002), pp. 43–54. (Internet Publication Date: Oct. 10, 2001.) | | | |
| | | 32. Mills et al., "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 927–935. (Internet Publication Date: Sept. 19, 2001.) | | | |
| | | 31. Mills et al., "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 967–978. (Internet Publication Date: Sept. 14, 2001.) | | | |
| | | 30. Mills et al., "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," Int. J. Hydrogen Energy, Vol. 27, No. 6, (2002), pp. 671–685. (Internet Publication Date: Aug. 22, 2001.) | | | |
| | | 29. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion," Int. J. Hydrogen Energy, Vol. 27, No. 5, (2002), pp. 533–564. (Internet Publication Date: July 19, 2001.) | | | |
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| | | 28. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," <i>Int. J. Hydrogen Energy</i> , (2002), Vol. 27, No. 3, pp. 301–322. (Internet Publication Date: Aug. 1, 2001.) | | |
| | | 27. Mills, et. al. "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", <i>International Journal of Hydrogen Energy</i> , Vol. 27, No. 2, (2002), pp. 183-192. (Internet Publication Date: January 11, 2002) | | |
| | | 26. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," <i>Proceedings of the National Hydrogen Association</i> , 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common | | |
| | | 25. Mills, et. al. "Minimum heat of formation of potassium iodo hydride." <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1199-1208. (Internet Publication Date: March 23, 2001) | | |
| | | 24. Mills, et al. "Stereoscopic Identification of a Novel Catalytic Reaction of Atomic Hydrogen and the hydride ion product." <i>International Journal of Hydrogen Energy</i> , Vol. 26. 2001. pp.1041-1058. (Internet Publication Date: March 23, 2001.) | | |
| | | 23. Mills et al., "Optically Measured Power Balances of Glow Discharges of Mixtures of Argon, Hydrogen, and Potassium, Rubidium, Cesium, or Strontium Vapor," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 6, (2002), pp. 651–670. (Internet Publication Date: July 20, 2001.) | | |
| | | 22. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. Orbis Scientiae entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th | | |
| | | 21. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 5, (2002), pp. 565–590. (Internet Publication Date: Sept. 17, 2001.) | | |
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| | | | | Filing Date | 02/25/2000 |
| | | | | First Named Inventor | Mills |
| | | | | Group Art Unit | 2881 |
| | | | | Examiner Name | Wells |
| Sheet | 35 | Of | 28 | Attorney Docket Number | |

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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T ² |
| | | 20. Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," IEEE Transactions on Plasma Science, Vol. 30, No. 2, (2002), pp. 639–653. (Internet Publication Date: Dec. 7, 2000.) | | | |
| | | 19. Mills et al., "Identification of Compounds Containing Novel Hydride Ions by Nuclear Magnetic Resonance Spectroscopy," Int. J. Hydrogen Energy, Vol. 26, No. 9, (2001), pp. 965–979. (Internet Publication Date: March 22, 2001.) | | | |
| | | 18. Mills, "BlackLight Power Technology-A New Clean Energy Source with the Potential for Direct Conversion to Electricity," Global Foundation International Conference on "Global Warming and Energy Policy," Dr. Behram N. Kursunoglu, Chairman, Fort Lauderdale, FL, | | | |
| | | 17. Mills, "The Nature of Free Electrons in Superfluid Helium—a Test of Quantum Mechanics and a Basis to Review its Foundations and Make a Comparison to Classical Theory," Int. J. Hydrogen Energy, Vol. 26, No. 10, (2001), pp. 1059–1096. (Internet Publication Date: Dec. 11, | | | |
| | | 16. Mills et al., "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," J. of Plasma Physics, Vol. 69, (2003), pp. 131–158. (Internet Publication Date: Aug. 27, 2001.) | | | |
| | | 15. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Certain Catalysts," Int. J. Hydrogen Energy, Vol. 25, (2000), pp. 919–943. (Internet Publication Date: June 27, 2000.) | | | |
| | | 14. R. Mills, "Observation of Extreme Ultraviolet Emission from Hydrogen-KI Plasmas Produced by a Hollow Cathode Discharge," Int. J. Hydrogen Energy, Vol. 26, No. 6, (2001), pp. 579–592. (Internet Publication Date: July 10, 2000.) | | | |
| | | 13. Mills, "Temporal Behavior of Light-Emission in the Visible Spectral Range from a Ti-K ₂ CO ₃ -H-Cell," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 327–332. (Internet Publication Date: July 10, 2000.) | | | |
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| | | Group Art Unit | 2881 |
| | | Examiner Name | Wells |
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| | | 12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.) | |
| | | 11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.) | |
| | | 10. Mills et al., "Synthesis and Characterization of Potassium Iodo Hydride," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1185–1203. (Internet Publication Date: Nov. 12, 2001.) | |
| | | 9. Mills. "Novel inorganic hydride." International Journal of Hydrogen Energy, Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000) | |
| | | 8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," Int. J. of Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 339–367. (Internet Publication Date: June 13, 2001.) | |
| | | 7. R. Mills, "Highly Stable Novel Inorganic Hydrides," Journal of New Materials for Electrochemical Systems, Vol. 6, (2003), pp. 45-54. (Internet Publication Date: Nov. 20, 2001.) | |
| | | 6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," Fusion Technology, Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000.) | |
| | | 5. Mills, "The Hydrogen Atom Revisited," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1171–1183. (Internet Publication Date: June 27, 2000.) | |
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| | | 4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," <i>Fusion Technology</i> , Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.) | | | |
| | | 3. Mills et al., "Dihydrido Molecule Identification," <i>Fusion Technology</i> , Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.). | | | |
| | | Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , Oct 11 1991, pp. 1-6 | | | |
| | | Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , April 17, 1992, pp. 1-6 | | | |
| | | Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted. | | | |
| | | Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001), Distributed by Amazon.Com. | | | |
| | | Mills, et. al. "Excess Heat Production...Cold Fusion." <i>Fusion Technology</i> , Vol 20, Feb 1991, pp. 65-81. | | | |
| | | Mills, et. al. <i>Fusion Technol.</i> Vol.20, 65 (1991). Internet Publication Date 4/11/01 | | | |
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PTO/SB/08B (Modified)

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| | | Mills, "Author's response 'A possible trick of Hydride atom', " <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225. | | | |
| | | Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01 | | | |
| | | Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993. | | | |
| | | Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9 | | | |
| | | Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1992, pp. 53-84. | | | |
| | | Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics', " <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233. | | | |
| | | Mills, "Author's response to 'Hydrino theory- a proposed amendment', " <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231. | | | |
| | | Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001. | | | |
| | | Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001. | | | |
| Examiner | | | Date | | |

ATTACHMENT A

| | | Date(s) | Compensation Arrangements | Cash Payments Made | Options Issued | Shares Owned |
|---|----------------|---|------------------------------------|--------------------|--|-------------------------------|
| AKHTAR (Employee) | Dr. Kamran | - | Employee Salary | - | EE Options Only | None |
| BALDWIN (NASA) | Dr. R. | - | - | - | None | None |
| BONIFACE (Chalk River Labs) | Dr. H.A. | - | - | - | None | None |
| BRADFORD (PSU Student) | Dr. Michael | 9/13/1994 | Ad Hoc/ One-time Only | 9/13/1994 | None | None |
| CHANG (Employee) | Dr. Zhixiang | - | Employee Salary | - | EE Options Only | None |
| CHEN (EE & Consultant) | Dr. Chun-Ku | 6/1/04-5/31/05 | \$50/hour | 2/7/2005 | EE Options Only | None |
| CHEN (Employee) | Dr. Xuemin | - | Employee Salary | - | EE Options Only | None |
| CLARK (INP Greifswald) | Dr. H.R. | - | - | - | None | None |
| CONRADS (INP Greifswald transferred agrmnt to Conrads) | Dr. Johannes | 8/4/99-9/23/05 | 2 wire transfers | 2/14/00 6/12/01 | Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06 | Some options exercised 9/7/06 |
| CRAIG | Dr. W.Y. | - | - | - | None | None |
| CRAW-IVANCO (Chalk River Labs) | Dr. M.T. | - | - | - | None | None |
| DAYALAN (Employee) | Dr. Ethirajulu | - | Employee Salary | - | EE Options Only | None |
| DHANDAPANI (Employee) | Dr. Bala | - | Employee Salary | - | EE Options Only | None |
| DONG (EE & Consultant) | Dr. Jinquan | 7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505 | \$35/hour \$45/hour \$45hour | 2/28/02 8/20/03 | EE Options Only | None |
| ECHEZURIA (Employee) | Alejandra | - | Employee Salary | - | EE Options Only | None |
| FRALICK (Semitech) | Dr. G.C. | - | - | - | None | None |
| FUELLING (U Nevada) | Dr. Stephan | - | - | - | None | None |
| GAMBERALE | Luca | - | - | - | None | None |
| GERNERT (Thermacore) | Dr. N.J. | - | - | - | None | None |
| GOOD (EE & Officer) | William | - | Employee Salary | - | EE & Officer Options Issued Beginning 9/1/92 | Shares Owned Beginning 1991 |

| | | | | | | |
|---|----------------|--|---|--------------------------------|---|---|
| GREENIG (EE & Consultant) | Nelson | 11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08 | \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour | 7/19/95 4/27/01 10/14/02 | EE Options Only | None |
| HALDEMAN (MIT Lincoln Labs) | Dr. C.W. | - | - | - | None | None |
| HE (Employee) | Dr. Jiliang | - | Employee Salary | - | EE Options Only | None |
| HICKS (Employee) | Steven | - | Employee Salary | - | EE Options Only | None |
| HILBORN (Chalk River Labs) | Dr. J.W. | - | - | - | None | None |
| ISELER (MIT Lincoln Labs) | Dr. G.W. | - | - | - | None | None |
| JACOX (INEL) | Dr. Michael | - | - | - | Options granted 9/9/96 to 3/3/97; all options expired | None |
| JANSSON (Rowan U) | Dr. Peter M. | 6/10/02-10/31/02 (contract) | \$100 \$10 | 10/17/97 12/31/2002 | None | Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07 |
| KNEIZYS | S. | - | - | - | None | None |
| KRYUKOV (Moscow Power Engineering Institute) | Dr. A.P. | - | - | - | None | None |
| KURTZ (PSU) | Dr. Stewart | - | - | - | Options granted 9/9/96 to 11/8/02; some expired | None |
| LEE (U of Ohio) | Dr. Jang-Jung | - | - | - | None | None |
| LU (EE & Consultant) | Dr. Ying | 8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04 | \$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour | 10/01/01 5/23/03 | EE Options Only | None |
| MARCHESE (Rowan U) | Dr. Anthony J. | 6/10/02-10/31/02 (contract) | \$10 non-material | 12/31/2002 | None | None |
| MAYO (EE & Consultant) | Dr. Robert | 6/8/01-8/8/01 | \$50/hour | 7/23/2001 | EE Options Only | None |
| MEYERS (NASA) | Dr. I. | - | - | - | None | None |
| MILLER (Lehigh U) | Dr. Alfred | - | \$250 | 6/12/1997 | Options granted 9/9/96 to 3/3/97; all options expired | None |

| MILLS (EE & Director) | Dr. Randell | - | Employee Salary | - | EE & Director Options Issued Beginning 9/9/96 | Shares Owned Beginning 1991 |
|--|---------------|---|---|-------------------|---|---|
| NANSTEEL (EE & Consultant) | Dr. Mark W. | 3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08 | \$80/hour \$80/hour \$80/hour | 8/24/2005 | EE Options Only | None |
| NESTEROV (Moscow Power Engineering Institute) | Dr. S.B. | - | - | - | None | None |
| NIEDRA (NASA) | Dr. J. | - | - | - | None | None |
| NONINSKI (Brookhaven) | Dr. V. | - | - | - | None | None |
| ONUMA (Employee) | Dr. Takeyoshi | - | Employee Salary | - | EE Options Only | None |
| PACIFICORP | | - | - | - | Options granted 4/7/97 to 4/27/98; some options expired | Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07 |
| PETERSON (Westinghouse) | Dr. S.H. | - | - | - | None | None |
| PHILLIPS (PSU,UNM,LANL) | Dr. Jonathan | 2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/807 | \$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour | 4/26/95 5/9/00 | Options granted 9/9/96-1/14/06; some options exercised | Some options exercised 9/1/06 & 2/20/07 |
| RAY (Employee) | Dr. Paresh | - | Employee Salary | - | EE Options Only | None |
| SANKAR (EE & Consultant) | Dr. Jayasree | 3/17/03-3/16/04 3/22/04-3/21/05 | \$50/hour \$50/hour | - | EE Options Only | None |
| SAVOYE (MIT Lincoln Labs) | Dr. G.W. | - | - | - | None | None |
| SCHARER (U Wisconsin) | Dr. John | 1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08 | \$800/day \$100/hour \$110/hour | 11/14/2005 | None | None |
| SCHMALZEL (Rowan U) | Dr. John L. | 6/10/02-10/31/02 (contract) | \$10 non-material | 12/31/2002 | None | None |
| SHANNON (Employee) | Tina | - | Employee Salary | - | EE Options Only | None |
| SHAUBACH (Thermacore) | Dr. R.M. | - | - | - | None | None |
| SIMMONS (Lehigh U) | Dr. G. | - | - | - | None | None |
| TREMBLAY (Chalk River Labs) | Dr. R.P. | - | - | - | None | None |

| | | | | | | |
|--|----------------|-----------------|--------------------|---|--------------------|------|
| TURNER <i>(Spectral Data)</i> | Dr. Gary L. | - | - | - | None | None |
| VOIGT <i>(EE & Consultant)</i> | Dr. Andreas | 8/27/04-8/26/05 | \$50/hour | - | EE Options Only | None |
| WATTS <i>(INEL)</i> | Dr. K.D. | - | - | - | None | None |
| WEISMANN | Dr. H. | - | - | - | None | None |
| WIESMANN | Dr. H. | - | - | - | - | - |
| WRUBEL <i>(INP Greifswald)</i> | Dr. Th. | - | - | - | None | None |
| ZEA <i>(Employee)</i> | Dr. Hugo | - | Employee Salary | - | EE Options Only | None |

ATTACHMENT B**MASTER LIST OF CITED AND SUBMITTED DOCUMENTS**

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